RADIATION SURVEY WORKSHEET

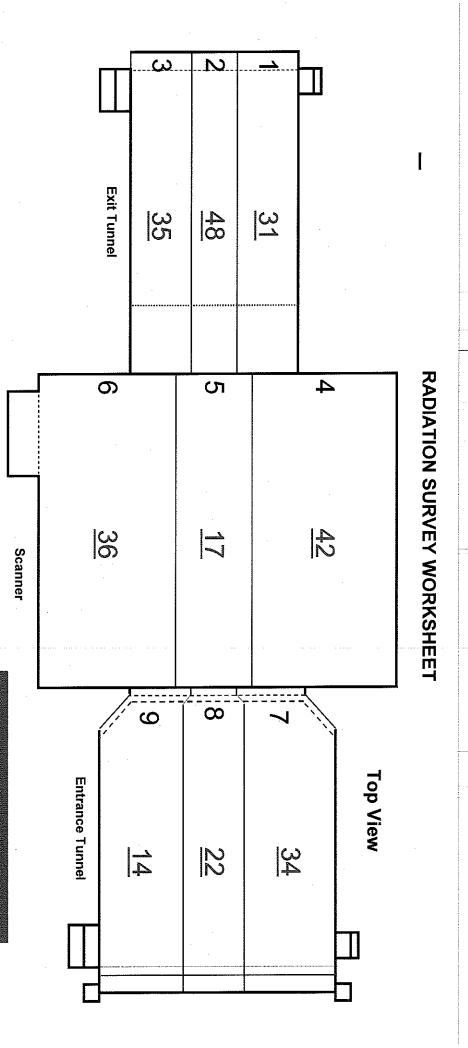
Personnel Performing Radiation Survey: Airport: Radiation Meter High Reading: Scanner Serial Number: T.F Green Airport GoodAverage Reading: Min. Reading: Type Meter: 20.85 6758 451P eXaminer Radiation Survey Information Scanner Location: Meter Serial Number: 6230 High Reading: **Entrance Tunnel Serial Number:** 116 Average Reading: Good 28.86 Baggage Handeling Room Min. Reading: 1105 Calibration Due Date: Date Survey Performed: High Reading: Average Reading: **Exit Tunnel Serial Number:** Case#: Good 21.52 December 22, 2010 PVD-C304600 6/3/2010 Min. Reading: 1087-1b 5

SEHOZ

	Complete Radiation Survey (CRS)		Record Voltage and Bean Current here:	ınd Bean	Current h	ere:		
R	Rename this Document before starting the Survey to:	Voltage:	165 K	/ Beal	KV Beam Current:	nt:	10.0	mA
	PVD-CRS-3JUN2010-6758	Maximum Safe Readings	Readings Scanner	350 J	Tunnels	350	Curtains	350
Step:	ep: Procedure			Expect	Expected results	S		
	1. Set Up: Obtain Inovision Ion Chamber Survey Meter and in an area away from the		The GUI will be visible and will indicate Standby. After the radiation meter	d will indica	ite Standby.	After the	e radiation me	eter
	scanners, turn on the meter by pressing the On-Off key. Wait approx. 4 minutes		initialization procedure is complete the meter will be reading less than 20	complete th	ne meter wil	l be read	ing less than	20
	for the meter to run through the initialization procedure.		uR/hr and the meter will be ready for use	e ready for	use.			
	2. The scanner will be in Standby. Change the conveyor switch on the scanner to		Both conveyors should be stopped	stopped.				
	Stop. Change the exit tunnel conveyor switch to Off to stop the conveyor	nveyor.						
	3. On the GUI dropdown screen, select diagnostic, followed by Radiation Survey. A		A window indicating "Radiation Survey" will appear.	iation Surve	ey" will app∈	ar.		
	radiation survey window will appear. Click "Turn On" button to turn x-rays on. Turn	າ x-rays on. Turn						
	on x-rays prompt will say "Place survey bag on belt". Place IQTK bag on Entry	bag on Entry		÷				
	4. When "Bag in survey position" appears, go to the FCC monitor and select "2" then		The high voltage is between 144KV and 176KV. The current is between	en 144KV	and 176KV.	The cur	rent is betwee	en en
	<enter>, verify and record the voltage and current in the displayed on the FCC</enter>		8.8mA and 10.6mA and the scanner X-ray indicator lights are on	ne scanner	X-ray indic	ator light	ts are on.	
	screen in the planks provided above.							
	5. Survey one of the areas indicated by the boxes in Appendix A2. Record the highest As the survey is conducted, the radiation meter indicates the degree of	Record the highest	As the survey is conducte	d, the radia	ation meter	indicates	the degree c	¥
	reading within the area. Repeat the process until all areas are surveyed and		radiation emission.					-
	readings are recorded.							
	Review all radiation data sheets for high readings.		Readings shall not exceed 350 uR/hr in any box	d 350 uR/h	r in any box			
	7. After radiation survey is complete, click on "Start Conveyor" button on the GUI.		IQTK bag is ejected and scanner reboots	scanner rel	oots.			
	Click the "Turn Off" button to turn off x-rays. Next click "Done". The IQTK bag will	<u>≅</u>						
	eject from exit tunnel. EDAC will reboot.							
	7. Visually inspect the entrance and exit of the system for X-ray caution hazard signs.		X-ray hazard signs reading "Do not insert any part of the body when system	ng "Do not i	nsert any pa	art of the	body when s	ystem
-		⊢	is energized" are posted at entrance and exit of system.	at entrance	and exit of	system.		
	9. Fill out the eXaminer radiation stickers and place on the eXaminer in accordance		Readings shall not exceed 350 uR/hr in any box	d 350 uR/h	r in any box			

2/28/2010

with Examiner Technical Bulletin ex253



	Top View		
Sos	Scattered Radiation Measurement Points Worksheet		No BBOBI EM
	Record highest reading per panel	μR/Hr	NO PRODUCE
>	Exit Conveyor Top Panel	31	
2	Exit Conveyor Top Panel	48	
З	Exit Conveyor Top Panel	35	
4	Scanner Conveyor Top Panel	42	
Çī	Scanner Conveyor Top Panel	17	
6	Scanner Conveyor Top Panel	36	
7	Entrance Conveyor Top Panel	34	
8	Entrance Conveyor Top Panel	22	
တ	Entrance Conveyor Top Panel	14	

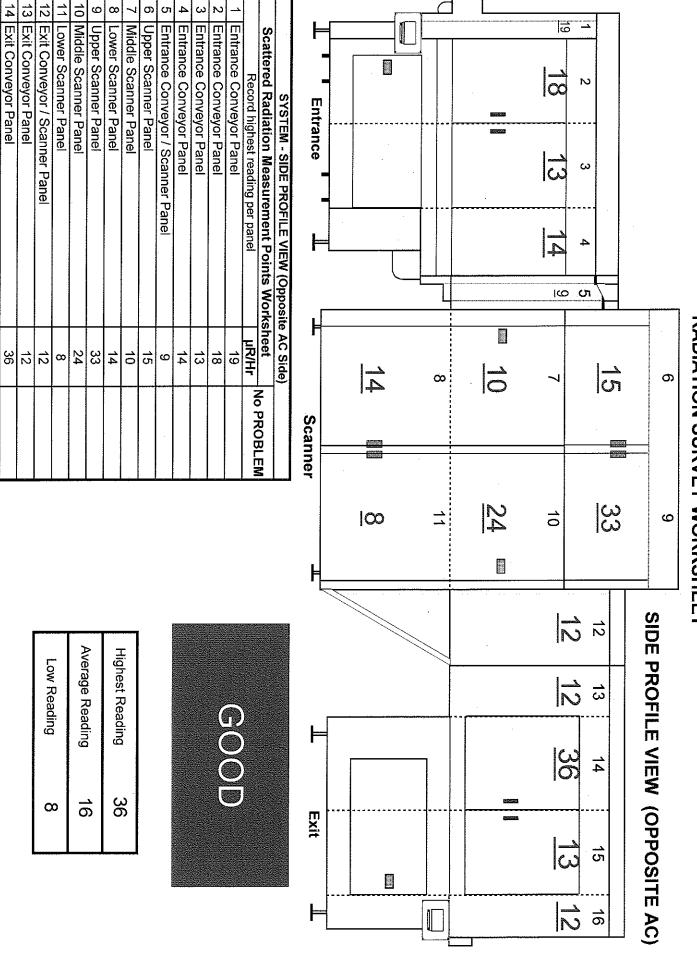
14	Lowest Reading
31	Average Reading
48	Highest Reading

15 Exit Conveyor Panel

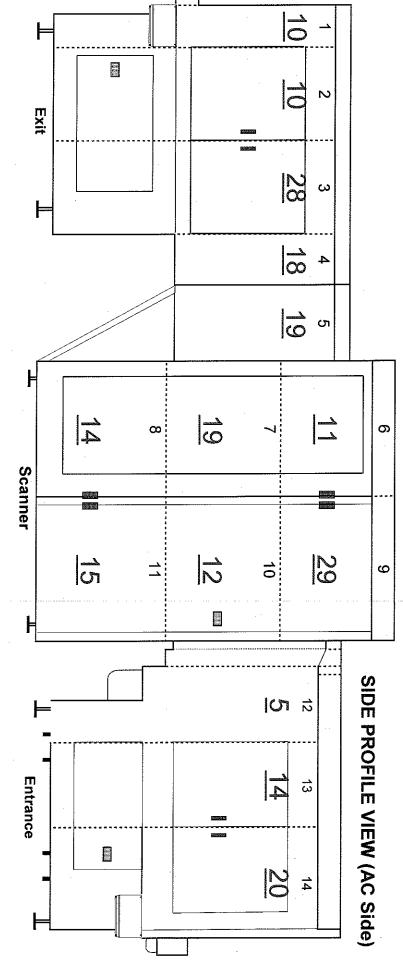
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Exit Conveyor Panel

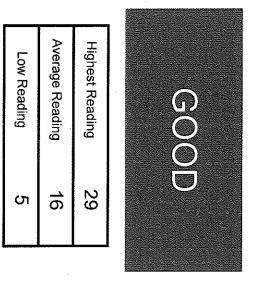
RADIATION SURVEY WORKSHEET



RADIATION SURVEY WORKSHEET



	SYSTEM - SIDE PROFILE VIEW (AC Side)	Side)	
	Scattered Radiation Measurement Points Worksheet	heet	NA DOOD! EM
	Record highest reading per panel	동목	NO TROOLEM
_	Exit Conveyor Panel	6	
2	Exit Conveyor Panel	10	
З	Exit Conveyor Panel	28	
4	Exit Conveyor Panel	18	
5	Exit Conveyor / Scanner Panel	19	
6	Upper Scanner Pane	1	
7	Middle Scanner Panel	19	
œ	Lower Scanner Panel	14	
9	Upper Scanner Panel	29	
10	10 Middle Scanner Panel	12	-
11	Lower Scanner Panel	5	
12	Entrance Conveyor / Scanner Panel	51	
13	Entrance Conveyor Panel	14	
14	14 Entrance Conveyor Panel	20	



RADIATION SURVEY WORKSHEET

